

this permit was originally issued to General Energy Inc. of Linn County, then Emery Energy owned well, now well is owned by Town Oil Co.

Missouri Oil and Gas Council

Form OGC-3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

APPLICATION TO DRILL ☒ DEEPEN ☐ PLUG BACK ☐
for an oil well ☒ or gas well ☐

NAME OF COMPANY OR OPERATOR Town Oil Co. DATE 12/6/85
Route 4 Paola KS 66071
Address City State

DESCRIPTION OF WELL AND LEASE

Name of lease Jack Beary Well number 52C Elevation (ground) 1067.0

WELL LOCATION (give footage from section lines)
546.46 ft. from (N) (S) sec. line 1872.25 ft. from (E) (W) sec. line

WELL LOCATION Section 4 Township 46N Range 33W County CASS

Nearest distance from proposed location to property or lease line: 165 feet
Distance from proposed location to nearest drilling, completed or applied for well on the same lease: 190.73 feet

Proposed depth 650 Drilling contractor, name & address Rotary or Cable Tools Approx. date work will start see note at top of permit

Number of acres in lease 24.5
Number of wells on lease, including this well, completed in or drilling to this reservoir: _____
Number of abandoned wells on lease: _____

If lease, purchased with one or more wells drilled, from whom purchased: Name _____ No. of Wells: producing _____
Address _____ injection _____
inactive _____
abandoned _____

Status of Bond
Single Well ☐ Amt. _____ Blanket Bond ☒ Amt. 20,000 ☒ ON FILE
☐ ATTACHED

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) use back of form if needed.

Proposed casing program:				Approved casing -- To be filled in by State Geologist			
amt.	size	wt./ft.	cem.	amt.	size	wt./ft.	cem.
<u>650</u>	<u>4"</u>	<u>1014</u>	<u>yes</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
<u>20</u>	<u>7 1/4"</u>	<u>22</u>	<u>yes</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>

I, the undersigned, state that I am the Partner of the Town Oil (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature Larry Town

Permit Number: 20128

Approval Date: 12/6/85

Approved By: Wallace B. Hume

Note: This Permit not transferable to any other person or to any other location.

Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250 Rolla, Mo. 65401

One will be returned for driller's signature

- ☒ Drillers log required ☒ Drill stem test info. required if run
☒ E-logs required if run ☒ Samples required
☒ Core analysis required if run ☐ Samples not required

DEC 16 1985

WATER SAMPLES REQUIRED @

MO. OIL & GAS COUNCIL

Approval of this permit by the Oil and Gas Council does not constitute endorsement of the geologic merits of the proposed well nor endorsement of the qualifications of the permittee.

3/12/82

APPLICATION TO DRILL ☒ DEEPEN ☐ PLUG BACK ☐

DESCRIPTION OF WELL AND LEASE		
Name of lease JACK BEARY	Well number 52 C	Elevation (ground) 1067.0

WELL LOCATION	Section <u>4</u> Township <u>46</u> Range <u>33</u>	County <u>CASS</u>
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Nearest distance from proposed location to property or lease line: 165 feet

Distance from proposed location to nearest drilling, completed or applied – for well on the same lease: 190.73 feet

Proposed depth: 650	Rotary or Cable tools ROTARY	Approx. date work will start 12-20-80
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Number of acres in lease: <div style="text-align: center;">24.5</div>	Number of wells on lease, including this well, completed in or drilling to this reservoir: <u>0</u> Number of abandoned wells on lease: <u>0</u>
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If lease, purchased with one or more wells drilled, from whom purchased: Name _____ No. of Wells: producing _____
inactive _____
Address _____ abandoned _____

Status of Bond

Single Well ☐ Amt. _____

Blanket Bond ☒ Amt. 20,000

☒ ON FILE
☐ ATTACHED

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) use back of form if needed.

Proposed casing program:				Approved casing - To be filled in by State Geologist			
amt.	size	wt./ft.	cem.	amt.	size	wt./ft.	cem.
650	4"	10.4	yes				
20	7 1/4"	22	yes				

I, the undersigned, state that I am the President of the General Energy, Inc. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature Richard McGraw

☒ SAMPLES REQUIRED

☐ SAMPLES NOT REQUIRED

DEC / 8 1980

WATER SAMPLE REQUIRED @

MO. OIL & GAS COUNCIL

MISSOURI OIL AND GAS COUNCIL

Form OGC-5

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

New Well ☒ Work-Over ☐ Deepen ☐ Plug Back ☐ Same Reservoir ☐ Different Reservoir ☐ Oil ☒ Gas ☐ Dry ☐

Owner Emery Energy, Inc.		Address Box 519, Osawatomie, Kansas 66064	
Lease Name Jack Beary Lease		Well Number C-52	
Location 546.46 ft. FNL 1872.25 Ft. FEL		Sec. — TWP-Range or Block & Survey Sec. 4 Twp. 46N Range 33W	
County Cass	Permit number (OGC3 number) 20128		
Date spudded 1-14-81	Date total depth reached 1-28-81	Date completed, ready to produce 2-27-81	Elevation (DF, BKB, RT or Gr.) 1067.0 feet Gr.
Total depth 640 ft.	P. B. T. D. 627.80		
Producing interval (s) for this completion 556-578		Rotary tools used (interval) From 0 to T.D. Drilling Fluid used water, air	Cable tools used (interval) From 0 to None
Was this well directionally drilled? no	Was directional survey made? no	Was copy of directional survey filed? no	Date filed no
Type of electrical or other logs run (list logs filed with the State Geologist) Gamma Ray, Neutron, CCL			Date filed 5/25/1981

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb ft)	Depth set	Sacks cement	Amt pulled
surface	9 in.	7 in.	35	21.583	70	
producing	6.25 in.	4 in.	10.6	627.80		

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
2.375 in.	551 ft.	none ft.	N/A in.	N/A ft.	N/A ft.	N/A	N/A

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
1.8	3 1/2 glass	556-578	water gel 2	Clay Stab. 10
			sand 20-40 10	
			sand 10-30 20	

INITIAL PRODUCTION

Date of first production		Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:) No record-see later production report					
Date of test	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity API (Corr.)	
Tubing pressure	Casing pressure	Cal'd rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio	

Disposition of gas (state whether vented, used for fuel or sold):

Method of disposal of mud pit contents:

CERTIFICATE: I, the undersigned, state that I am the **Vice-President** of the **Emery Energy, Inc.** (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature

Devon Hurst

Remit two copies: one will be returned.

RECEIVED

JUN 04 1981

MO. OIL & GAS COUNCIL

W00002

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
PENNSYLVANIAN SYSTEM			
KANSAS CITY			
Iola Ls.	0	48	White to light gray limestone
Chanute Sh.	48	114	<u>Gray to green shales with gray limestone beds</u>
Cement City Sh.	66	80	Blue, gray limestone
Belton Ss.	108	114	Sandstone
Cherryvale Sh.	114	162	Gray, blue shales
Dennis Ls.			
Winterset Sh.	162	190	Gray, blue coarse limestone
Stark Sh.	190	196	Black, fissile shale
Swope Ls.			
Bethany Falls Ls.	196	217	Gray, fine to coarse limestone
Hush puckney Sh.	217	223	Black, fissile shale
Hertha Ls.	223	234	Gray to blue limestone
PLEASANTON	234	414	Gray, green shales
Knobtown Ss.			sand
Dawson Coal Hor.	363	466	Black, fissile, slaty shale
HENRIETTA	414	518	
Alamont	414	434	Gray brown, fine grained limestone with gray shale
Pawnee	434	471	Fine grained, light gray limestone
Peru Ss.	453	456	Sand
Myrick Sta. Ls.	466	471	Gray to brown limestone
Anna Sh.	471	476	Coal to black fissile shale
Fort Scott	476	518	Gray to green shales and limestone
Englevale Ss.	476	482	Fine to medium grained channel sandstone
CHEROKEE	518		Gray to dark shales
Upper Cherokee			
Upper Squirrel	505	514	Fine to medium grained sandstones
Lower Squirrel	554	564	Fine to medium grained sandstones
Bevier Coal Hor.	---	---	Black coal
Lower Cherokee			
Burbank Ss.			Sandstone, irregular
Bartlesville Ss.	564	640 T.D.	Shale, sandy shale, thin sandstone
Core # 1	445 -	465	
Core # 2			
Core # 3			

*Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well if available.